

Converting Colors

$Y_{xy}(10.1489, 0.3661, 0.6131)$

Have a look what the booklet for
Yxy(10.1489, 0.3661, 0.6131)
contains.

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Color

Yxy(10.3150, 0.3457, 0.5637)

Conversions

Conversions Part 1

Format	Color
Hex	376600
RGB	55, 102, 0
RGB Percent	22%, 40%, 0%
CMY	0.7844, 0.6000, 0.9999
CMYK	0.46, 0.00, 1.00, 0.60
HSL	88°, 100%, 20%
HSV	88°, 100%, 40%
XYZ	6.3259, 10.3150, 1.6579
YIQ	76.3190, 4.7300, -41.6860

Conversions

Conversions Part 2

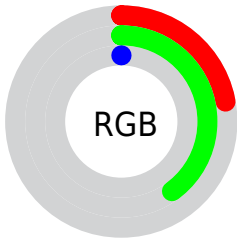
Format	Color
RYB	0, 102, 47
Decimal	3630592
CIELab	38.40, -31.86, 44.23
CIELCh	38, 54.509, 125.772
Yxy	10.3150, 0.3457, 0.5637
Android (android.graphics.Color)	4281820672 (0xFF376600)
YUV	76.3190, -37.6253, -18.6968
Hunter-Lab	32.1170, -21.0467, 19.4214

Details

The Yxy color **10.3150, 0.3457, 0.5637** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.5653, 0.2005, 0.0878**, and the grayscale version is **7.3583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2138, 0.3468, 0.4990**, and **2.6383, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.3152, 0.3457, 0.5637**, and if you desaturate by 10%, it is **10.4770, 0.3484, 0.5487**.

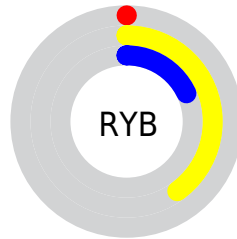
Distribution



Red (22%)

Green (40%)

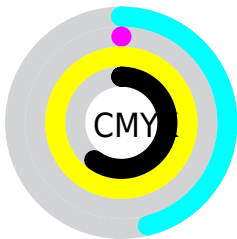
Blue (0%)



Red (0%)

Yellow (40%)

Blue (18%)

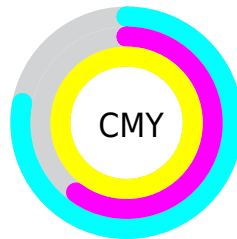


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (78%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3150, 0.3457, 0.5637 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 10.3150, 0.3457, 0.5637 by changing the saturation by 10% instead.


 10.3150, 0.3457,
0.5637


 10.3150, 0.3457,
0.5637


 192.9057, 0.3358,
0.4137


 5.6083, 0.3420,
0.6213

 26.3863, 0.3471,
0.4998


 2.6084, 0.3151,
0.6849


 38.5197, 0.3456,
0.4787

 0.9309, 0.1024,
0.8976

 53.8975, 0.3438,
0.4619

 0.0000, 0.0000,
0.0000


 72.9041, 0.3420,
0.4485


 95.9238, 0.3402,
0.4374


 123.3410, 0.3386,


0.4282


 155.5402, 0.3372,
0.4204


 10.3150, 0.3457,
0.5637


 10.3150, 0.3457,
0.5637

 10.3152, 0.3457,
0.5637

 10.4770, 0.3484,
0.5487

 10.6588, 0.3502,
0.5316

 10.8692, 0.3500,
0.5103

 11.1103, 0.3479,
0.4857

 11.3837, 0.3441,
0.4591

■ 11.6912, 0.3390,
0.4315

■ 12.0342, 0.3330,
0.4040

■ 12.4140, 0.3264,
0.3775

■ 12.8319, 0.3196,
0.3524

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.3150, 0.4502, 0.5085



10.3150, 0.3457, 0.5637



10.3150, 0.2390, 0.5139

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.3150, 0.3457, 0.5637



10.3150, 0.1256, 0.1785



10.3150, 0.4817, 0.2715

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



10.3150, 0.3457, 0.5637



1.5653, 0.2005, 0.0878

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.3150, 0.3554, 0.2101



10.3150, 0.3457, 0.5637



10.3150, 0.1617, 0.1588

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.3150, 0.3457, 0.5637



10.3150, 0.1231, 0.2424



10.3150, 0.2376, 0.1706



10.3150, 0.5486, 0.3437

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10.3150, 0.3457, 0.5637



10.3150, 0.1806, 0.4192



10.3150, 0.2376, 0.1706



10.3150, 0.4429, 0.2493

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



10.3154, 0.3457, 0.5637



21.0474, 0.3335, 0.4064



4.7722, 0.5466, 0.4042



4.9224, 0.3354, 0.4144



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.3154, 0.3457, 0.5637



18.0224, 0.3438, 0.5652



9.5370, 0.3021, 0.5983



3.2084, 0.3189, 0.3498



13.2233, 0.3448, 0.5644



68.4415, 0.3409, 0.5675

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



1.5653, 0.2005, 0.0878



2.6793, 0.1977, 0.0863



3.4960, 0.3091, 0.1477



2.8197, 0.3062, 0.3082



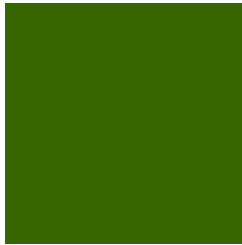
1.9867, 0.1991, 0.0871



9.8519, 0.1933, 0.0839

Previews

White Background



This preview shows how the Yxy color 10.3150, 0.3457, 0.5637 looks on a white background.

Color Contrast Check

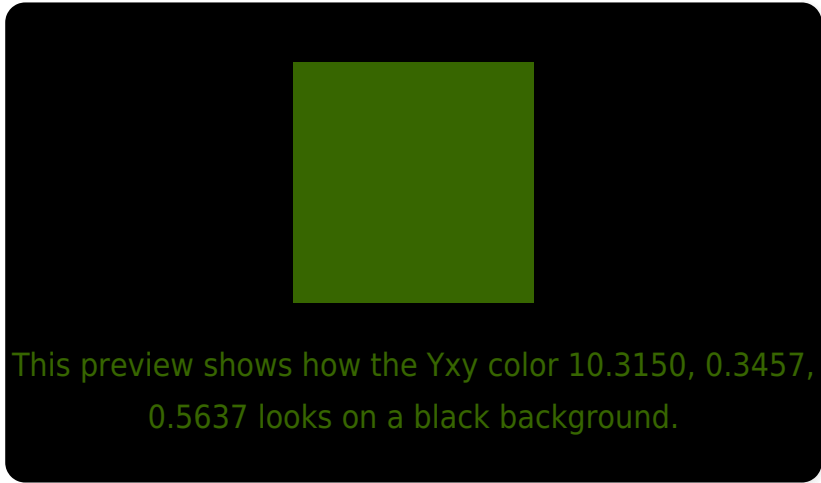
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

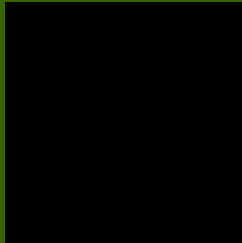
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.3150, 0.3457, 0.5637

Background



This preview shows how black text looks on a background with the Yxy color 10.3150, 0.3457, 0.5637.



This preview shows how white text looks on a background with the Yxy color 10.3150, 0.3457, 0.5637.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

10.3150, 0.3457, 0.5637

Protanopia

10.1371, 0.4403, 0.4886

Deuteranopia

10.2871, 0.4555, 0.4505



Tritanopia

10.3727, 0.2661, 0.3110

Trichromacy



Original Color

10.3150, 0.3457, 0.5637

Protanomaly

9.9367, 0.4037, 0.5177

Deuteranomaly

10.0105, 0.4146, 0.4933

Tritanomaly

10.1738, 0.3056, 0.4218

Monochromacy



Original Color

10.3150, 0.3457, 0.5637

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.9393, 0.3405, 0.4384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3150, 0.3457, 0.5637 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(55, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(55, 102, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(55, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.3150, 0.3457, 0.5637 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(55, 102, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(55, 102, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(55, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(55, 102, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3150, 0.3457, 0.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 102, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(55, 102,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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